

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US 03/00180A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 B28D1/14 B23B51/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B28D B23B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 83 03563 A (FORD MOTOR CANADA ;FORD WERKE AG (DE); FORD FRANCE (FR); FORD MOTO) 27 October 1983 (1983-10-27) page 7, line 32 -page 8, line 22; figures 1-3 ---	1,2,4,7
X	DE 38 03 910 A (VERMONT AMERICAN CORP) 18 August 1988 (1988-08-18) column 4, line 6 - line 25; figures 1-5 ---	1-3
X	GB 842 133 A (WICKMAN LTD) 20 July 1960 (1960-07-20) page 1, column 92 -page 2, column 13; figures 1-3 ---	1-3
X	US 4 480 952 A (JEREMIAS ROBERT W) 6 November 1984 (1984-11-06) column 2, line 29 - line 68; figures 4,5 ---	1,2,4
A	---	5,7
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 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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Date of the actual completion of the international search

16 April 2003

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 354 155 A (ADAMS LARRY G) 11 October 1994 (1994-10-11)	1,2,7
A	column 8, line 66 -column 9, line 10; figure 8 ---	4
X	FR 948 893 A (REGARD LOUIS) 12 August 1949 (1949-08-12)	1,2
A	figures 1-6 ---	3-7
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